C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.at RHIC Zone 9z1 Sweep Checklist

Text Pages 2 through 3

C-A OPM Procedures in which this Attachment is used.		
4.56		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved: _____**Signature On File**_____ _____
Collider-Accelerator Department Chairman   Date

P. Ingrassia, W. MacKay

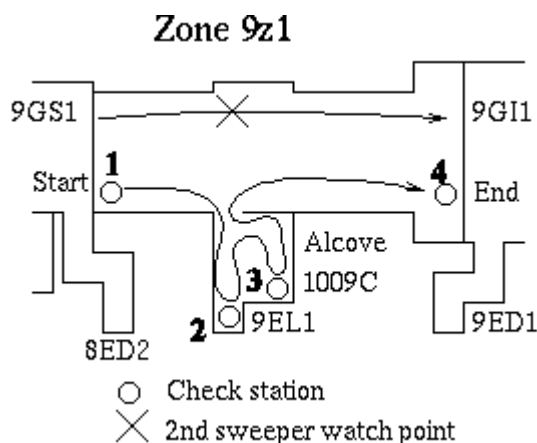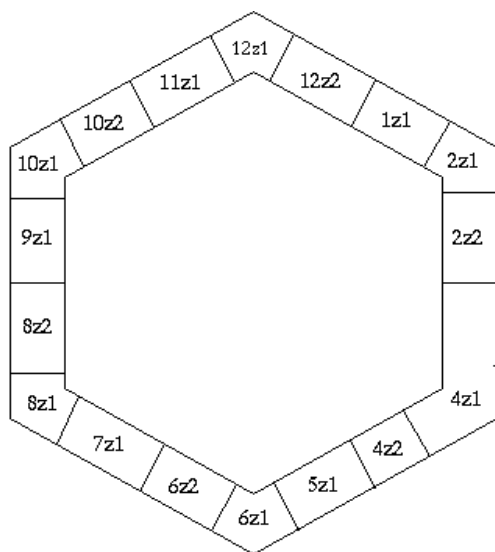**RHIC Zone 9z1 Sweep Checklist**

Team Leader (**TL**)_____ Sweeper#2 (**S2**)_____

Time:_____ Date:_____

<u>**Warning**</u>:
IF any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

<u>Prerequisites</u>
- Two persons to perform the sweep,
- At least one sweeper not restricted from working at heights over five feet.
- RHIC Zone 9z1 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 9z1 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014

<u>Note:</u>
References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the "lower" cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 (Outside, Q17). References are for inside locations and are visilble only by the TL

CONTINUED ON REVERSE SIDE

C-A-OPM-ATT 4.56.at (Y)

<u>check</u>
_____1. Sweep team goes to gate 9GI1 TL requests simultaneous release from MCR.
_____2. TL opens 9GI1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch
      while Operator in MCR presses simultaneous release for 9GI1.
_____3. Sweep Team walks to 9GS1 doors. (TL inside and Sweeper 2 outside).
_____4 TL resets gate 9GS1 by turning the S/R015 key in the RESET keyswitch at 9GS1-I
_____5 TL observes RESET lamp light
_____6 TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch on 9GS1-I (9CS1).
_____7. TL observes AREA SECURED lamp blink once.
_____8. Sweep team sweeps Clockwise (CW) around RHIC.
_____9. TL stops to check the Exhaust Fan Vent Barrier at I9Q17D16.
_____10. Sweep team sweeps Clockwise (CW) around RHIC.
_____11 S2 stands static watch at the electrical services alcove opposite I09Q13.
_____12. TL enters the alcove and goes to the ladder at 9EL1.
_____13. IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL
      must climb the ladder to verify no one is on the landing and to check that 9EL1 is closed.
_____14. TL resets gate 9EL1 using the S/R015 key in the Reset keyswitch at the bottom of the ladder.
_____15. IF 9EL1 will not reset THEN TL climbs the ladder, closes 9EL1, then repeats step 14.
_____16. TL observes RESET lamp lights after RESET.
_____17. TL sets second check station (9CS2) by turning S/R015 key in the SWEEP keyswitch.
_____18. TL observes AREA SECURED lamp blink once.
_____19 TL searches goes to the far corner of the alcove to 9CS3.
_____20. TL sets third check station (9CS3) by turning S/R015 key in the SWEEP keyswitch.
_____21. TL observes AREA SECURED lamp blink once.
_____22 TL checks inside EVERY rack and then sweeps out the alcove and joins S2.
_____23 TL checks fan vent barrier on vent above S2 and the barricade is in place on the ceiling above S2
_____24 Sweep team sweeps Clockwise (CW) around RHIC.
_____25 At I09DU7 S2 shines flashlight into port on outside wall of tunnel to verify no one is inside.
_____26 Sweep team sweeps Clockwise (CW) around RHIC.
_____27 Sweep Team stops to check the Exhaust Fan Vent Barriers at I9Q7D6.
_____28. Sweep team sweeps Clockwise (CW) around RHIC.
_____29 Sweep Team stops to check the Electrical Alcoves and overhead barricade at I09D5
_____30 S2 checks fan vent barriers (2 each) on tunnel wall upstream of dump kicker magnets
_____31 Sweep Team sweeps past dump kicker magnets and PFNs making sure no one is between the PFNs.
_____32 Sweep Team sweeps to gate 9GI1.
_____33 TL ENDS SWEEP by turning the S/R015 key SWEEP key on 9GI1-I (9CS4).
_____34 TL observes the yellow AREA SECURED lamp is lighted
_____35 TL contacts MCR for simultaneous release for gate 9GI1.
_____36 Sweep Team sweeps out 9z1 through their respective 9GI1 doors.
_____37. TL resets gate 9GI1 using the S/R015 key in the Reset keyswitch at 9GI1 on 10z1 side
_____38 TL observes the yellow RESET lamp is lighted
_____39 TL contacts MCR and confirms that gates are reset and 9z1 zone indicates sweep is good.

<u>Note:</u>
IF the AREA RESET, and GATE SECURED lamps are not lit THEN contact MCR to verify sweep is good and gates are reset.

_____40 After returning to MCR and verifying that all information is filled out completely,
      TL files the checklist in FY_xx Sweep Log binder.